Index to Volume 49 (1998)

Authors and Titles

Aizpuru M

See Blasco F 287

Al Janahi A

See Anwahi A 359

Al Zarouni M A R

See Anwahi A 359

Amorim A F, Arfelli C A, Fagundes L Pelagic elasmobranchs caught by longliners off southern Brazil during 1994-97:

an overview 621

Anderson T A

See Appleford P 163

Anwahi A, Al Zarouni M A R, Al Janahi A, Cherian T Feasibility studies on mangrove Avicennia

marina cultivation below ground level along the bank of a dug-out pond. 359

Appleford P, Anderson T A, Gooley G J Reproductive cycle and gonadal development of Macquarie perch, Macauaria australasica Cuvier (Percichthyidae), in Lake Dartmouth and tributaries of the Murray-Darling Basin, Victoria, Australia. 163

Apte S C, Batley G E, Szymczak R, Rendell P S. Lee R. Waite T D Baseline trace metal concentrations in New

South Wales coastal waters 203

Araújo R J

See Snedaker S C 325

Arfelli C A

See Amorim A F 621

Au D W

See Smith S.E. 663

Babanin A V. Soloviev Y P

Variability of directional spectra of windgenerated waves, studied by means of wave staff arrays. 89

Rakes M J

See Nichols P D 763

Baldwin J

See Wells R M G 143

Barea L.C.

See Marin Y H 633

Basak U C, Das A B, Das P

Seasonal changes in organic constituents in leaves of nine mangrove species. 369

Batley G.F.

See Apte S C 203

Begg G A, Sellin M J

Age and growth of school mackerel (Scomberomorus queenslandicus) and spotted mackerel (S. munroi) in Queensland east-coast waters with implications for stock structure. 109 Reproductive biology of school mackerel (Scomberomorus queenslandicus) and spotted mackerel (S. munroi) in Queensland east-coast waters. 261

Bell PRF

See McEwan J 227 and Gabric AJ 215 Bennett M B

See Heunel M R 753

Bianchini J-P

See Teai T 127

Blasco F. Gauguelin T. Rasolofoharinoro M. Denis J, Aizpuru M, Caldairou V Recent advances in mangrove studies using remote sensing data. 287

Böer B, Gliddon D

Mapping of coastal ecosystems and halophytes (case study of Abu Dhabi, United Arab Emirates). 297

Boulton A J

See Puckridge J T 55

Brearley A

See van Tussenbroek 525

Bridge N F, Mackay D, Newton G Biology of the ornate angel shark (Squating tergocellata) from the Great Australian Bight. 679

Brown I W

See Kirkwood J M 41

Brown S S

See Gaston G R 833

Brum F

See Marin Y H 633

Burridge T R

See Campbell S J 379

Caille G

See Van Der Molen S 641

Caldairon V

See Blasco F 287

Cambon A

See Teai T 127

Campbell S J, Burridge T R Occurrence of Undaria pinnatifida (Phaeophyta: Laminariales) in Port Phillip

Bay, Victoria, Australia. 379

Castillo-Géniz J L, Márquez-Farias J F, Rodriguez de la Cruz M C, Cortés E, Cid del

Prado A The Mexican artisanal shark fishery in the Gulf of Mexico: towards a regulated fishery.

Chapman M G

611

See Underwood A J 241

Chen R

See Twilley R R 309

Cherian T

See Anwahi A 359

Chiaramonte G E

Shark fisheries in Argentina. 601 The shark genus Carcharhinus Blainville, 1816 (Chondrichthyes: Carcharhinidae) in Argentine waters, 747

Chocca J F

See Marin Y H 633

Cid del Prado A

See Castillo-Géniz J L 611 Clark M R

See Francis R I C C 103

Cleveland C M

See Gaston G R 833 Collings G J

See Emmerson L M 541

Connell S D

Patterns of piscivory by resident predatory reef fish at One Tree Reef. Great Barrier Doof 25

Corfield J

See Kerr G 801

Cortés E

See Castillo-Géniz J L 611

Coutin P.C.

See Morison A K 491

Cox K R

See Dudley S F J 653

Cranston PS

See McKie B G L. 79

Dahdouh-Guebas F. Verneirt M. Tack J F. Van Speybroeck D, Koedam N

Propagule predators in Kenyan mangroves and their possible effect on regeneration. 345

Das A B

See Basak U C 369

Das P

See Basak U.C. 369

Davies-Colley R J

See Kirk J T O 1

and Shooter D 455

Denis J

See Blasco F 287

Die D

See Milton LA 499

Donohue K

See Simpfendorfer C

Drollet I H

See Teai T 127

Dudley S F J, Haestier R C, Cox K R, Murray M Shark control: experimental fishing with baited drumlines. 653

Dunstan R H

See Walsh K 399

Eggleston D B

See Lipcius R N 807

El Amry M

Population structure, demography, and life tables of Avicennia marina (Forssk.) Vierh. at sites on the eastern and western coasts of the United Arab Emirates. 303

Elliott N G

See Nichols P D 763

Emmerson L M, Collings G J Macroalgal recruitment in artificially disturbed areas: interactive effects of

temporal and spatial scale. 541

Fagundes L

See Amorim A F 621

Ferreira B P

See Russ G R 507

Field C

Rationales and practices of mangrove afforestation. 353

Francis M P

New Zealand shark fisheries: development, size and management. 579

Francis R I C C, Clark M R

Inferring spawning migrations of orange

roughy (Hoplostethus atlanticus) from spawning ogives. 103

Gabric A J, McEwan I, Bell P R F
Water quality and phytoplankton dynamics
in Moreton Bay, south-eastern Queensland.
I. Field survey and satellite data. 215
See also McEwan J 227

Gardner M G, Ward R D
Population structure of the Australian
gummy shark (Mustelus antarcticus Günther)
inferred from allozymes, mitochondrial DNA
and vertebrae counts. 733

Gaston G R, Rakocinski C F, Brown S S, Cleveland C M, Trophic function in estuaries: response of macrobenthos to natural and contaminant gradients. 833

Gauquelin T See Blasco F 287 Gibbs P

See Kobayashi T 547 Glaister A

See Schreiber E S G 73

Glasby T M
Estimating spatial variability in developing assemblages of epibiota on subtidal hard substrata. 429

Gliddon D See Böer B 297 Glova G J

See Sagar P M 421 González R

See Van Der Molen S 641 Gooley G J

See Appleford P 163
Gordon A N, Pople A R, Ng J
Trace metal concentrations

Trace metal concentrations in livers and kidneys of sea turtles from south-eastern Queensland, Australia. 409

Grewe P M

See Innes B H 383

Gribble N A, McPherson G, Lane B
Effect of the Queensland Shark Control
Program on non-target species: whale,
dugong, turtle, and dolphin: a review. 645
Gunn J

See Hampton J 475

Hacking N

Macrofaunal community structure of beaches in northern New South Wales, Australia. 47

Haddy J A, Pankhurst N W Annual change in reproductive condition and plasma concentrations of sex steroids in black bream, Acanthopagrus butcheri (Munro) (Sparidae). 389

Haestier R C See Dudley S F J 653

Hakvoort J H M, Heineke M, Heymann K, Kühl H, Riethmüller R, Witte G A basis for mapping the erodibility of tidal flats by optical remote sensing. 867 Hallegraeff G M, Marshall J A, Valentine J, Hardiman S

Short cyst-dormancy period of an Australian isolate of the toxic dinoflagellate

Alexandrium catenella. 415

Hampton J. Gunn J

Exploitation and movements of yellowfin tuna (*Thunnus albacares*) and bigeye tuna (*T. obesus*) tagged in the north-western Coral Sea. 475

Hardiman S

See Hallegraeff G M 415

Heineke M

See Hakvoort J H M 867 Heislers S

See

See Wilson R S 847

Hesp P

See Hodgkin E P 183

Heupel M R, Bennett M B

Observations on the diet and feeding habits of the epaulette shark, *Hemiscyllium ocellatum* (Bonnaterre) on Heron Island Reef, Great Barrier Reef, Australia. 753

Heymann K See Hakvoort J H M 867

Higgs J B

See Russ G R 507 Hilder P E

See Pankhurst P M 363

Ho J-S

See Rohde K 121

Hodgkin E P, Hesp P

Estuaries to salt lakes: Holocene transformation of the estuarine ecosystems of south-western Australia. 183

Horwitz P

See Vanderklift M A 513

Innes B H, Grewe P M, Ward R D
PCR-based genetic identification of marlin
and other hillfish 383

Jackson W B

See Kangas M I 517 Jacoby C A

Jacoby C A

See Vanderklift M A 513

James P J, Tong L J

Feeding technique, critical size and size preference of *Jasus edwardsii* fed cultured and wild mussels. 151

Jones A R, Murray A, Marsh R E
A method for sampling sandy beach
amphipods that tidally migrate. 863
Jones G J

See Walsh K 399

Jones M B

See Roast S D 827

Kangas M I, Jackson W B

Sampling juvenile Penaeus latisulcatus Kishinouye with a water-jet net compared with a beam-trawl: spatial and temporal variation and nursery areas in Gulf St Vincent, South Australia. 517 Kerr G. Corfield J.

Association between the ghost shrimp Trypaea australiensis Dana 1852 (Crustacea: Decapoda) and a small depositfeeding bivalve Mysella vitrea Laserson 1956 (Mollusca: Leptonidae). 801

Kirk J T O, Davies-Colley R J, Shooter D,
Schwarz A-M
Optical properties of ocean waters in the
vicinity of the Chatham Rise, South Pacific
Ocean. 1
See also Shooter D 455

Kirkwood J M, Brown I W

Effect of limb damage on the survival and burial time of discarded spanner crabs Ranina ranina (Linnaeus). 41

Kobayashi T, Shiel R J, Gibbs P
Size structure of river zooplankton: seasonal variation, overall pattern and functional aspect. 547

Koedam N

See Dahdouh-Guebas F 345

Kroese M, Sauer W H H
Elasmobranch exploitation in Africa. 573

Kühl H

See Hakvoort J H M 867

Lake PS

See Schreiber E S G 73 and Quinn G P 157

Lane B

See Gribble N A 645

Leach J

See McGoldrick M 875

Lee R

See Apte S C 203

See A

Ecological role of grapsid crabs in mangrove ecosystems: a review 335

Leeming R, Nichols P D

Determination of the sources and
distribution of sewage and pulp-fibrederived pollution in the Derwent Estuary,
Tasmania, using sterol biomarkers. 7
See also Nichols PD 763

Lessa R, Santana F M
Age determination and growth of the smalltail shark, Carcharhinus porosus, from northern Brazil. 705

Li Q, McGowran B

Oceanographic implications of recent planktonic foraminifera along the southern Australian margin. 439

Lipcius R N, Eggleston D B, Miller D L, Luhrs T C

The habitat-survival function for Caribbean spiny lobster: an inverted size effect and non-linearity in mixed algal and seagrass habitats. 807

López C, Ochoa E, Páez R, Theis S Epizoans on a tropical freshwater crustacean assemblage. 271

Lou D C

See Russ G R 507

Loughland R A

Mangal roost selection by the flying-fox Pteropus alecto (Megachiroptera:

Pteropodidae). 351 Luhrs T C

See Lipcius R N 807

Lukatelich R J

See McAuliffe T F 463

Mackay D

See Bridge N F 679

Marín Y H, Brum F, Barea L C, Chocca J F Incidental catch associated with swordfish longline fisheries in the south-west Atlantic Ocean 633

Marin Y H, Brum F, Barea L C, Chocca J F
Incidental catch associated with swordfish
longline fisheries in the south-west Atlantic
Ocean. 633

Marquez-Farias J F

See Castillo-Géniz J L 611

Marsh R E

See Jones A R 863

Marshall J A

See Hallegraeff G M 415

Martin P M V

See Teai T 127

McAuliffe T F, Lukatelich R J, McComb A J, Qiu S

Nitrate applications to control phosphorus release from sediments of a shallow eutrophic estuary: an experimental evaluation. 463

McComb A J

See McAuliffe T F 463

McEwan J, Gabric A J, Bell P R F
Water quality and phytoplankton dynamics
in Moreton Bay, SE Queensland: II
Mathematical modelling. 227
See also Gabric A J 215

McGoldrick M, Leach J
Use of a semi-submersible vessel to
supplement satellite data in mapping the
sub-tidal environment of Lonsdale Bight,

Australia. 875

McGowran B See Li Q 439

McKie B G L, Cranston P S

Keystone coleopterans? Colonization by wood-feeding elmids of experimentally immersed woods in south-eastern Australia.

McPherson G

See Gribble N A 645

Miller D L

See Lipcius R N 807

Milton D A, Die D, Tenakanai C, Swales S Selectivity for barramundi (*Lates calcarifer*) in the Fly River, Papua New Guinea: implications for managing gill-net fisheries on protandrous hermaphrodite fishes. 499

Mitchell B D

See Walsh C J 769

Morehead D T

Effect of capture, confinement and repeated sampling on plasma steroid concentrations

and oocyte size in female striped trumpeter Latris lineata (Latrididae). 373

Morison A K, Coutin P C, Robertson S G
Age determination of black bream,
Acanthopagrus butcheri (Sparidae), from
the Gippsland Lakes of south-eastern
Australia indicates slow growth and
episodic recruitment. 491

Murray A

See Jones A R 863

Murray M

See Dudley S F J 653

Neira F J

See Pironet F N 133

Newton G

See Bridge N F 679

Ng J

See Gordon A N 409

Nichols P D, Bakes M J, Elliott N G
Oils rich in docosahexaenoic acid in livers of
sharks from temperate Australian waters. 763

Nichols PD

See also Leeming R 7

O'Driscoll R L

Feeding and schooling behaviour of barracouta (*Thyrsites atun*) off Otago, New Zealand. 19

Ochoa E

See López C 271

Páez R

See López C 271

Palomares M L D, Pauly D
Predicting food consumption of fish
populations as functions of mortality, food
type, morphometrics, temperature and

salinity. 447 Pankhurst N W

See Haddy J A 389

Pankhurst N W

See Barnett C W 0

Pankhurst P M, Hilder P E

Effect of light intensity on feeding of striped trumpeter *Latris lineata* larvae. 363

Pauly D

See Palomares M L D 447

Pironet F N, Neira F J

Hormone-induced spawning and development of artificially reared larvae of the West Australian dhufish, *Glaucosoma hebraicum* (Glaucosomatidae). 133

Poore G C B

See Wilson R S 847

Pople A R

See Gordon A N 409

Puckridge J T , Sheldon F, Walker K F, Boulton A J Flow variability and the ecology of large

rivers. 55 See also Sheldon F 171

Punt A E, Walker T I

Stock assessment and risk analysis for the school shark (*Galeorhinus galeus*) off southern Australia. 719

Oiu Song

See McAuliffe T F 463

Quinn G P, Lake P S, Schreiber E S G
Colonization by lake benthos of hard
substrata in the water column versus on the
bottom. 157
See also Schreiber E S G 73

Rakocinski C.F.

See Gaston G R 833

Rasolofoharinoro M

See Blasco F 2 Rendell P S

See Apte S C 203

Richardson A M M, Swain R, Wong V
Relationship between the crustacean and
molluscan assemblages of Tasmanian
saltmarshes and the vegetation and soil
conditions 785

Riethmüller R

See Hakvoort J H M 867

Roach A C

Effects of predation on the size structure of the gastropod Salinator solida (Martens) populations at Towra Point, NSW, Australia. 779

Roast S D, Thompson R S, Widdows J, Jones M B

Mysids and environmental monitoring: a case for their use in estuaries. 827

Robertson S G

See Morison A K 491

Rodriguez de la Cruz M C See Castillo-Géniz J L 611

Rohde K, Ho J-S, Smales L, Williams R
Parasites of Antarctic fishes: Monogenea,
Copepoda and Acanthocephala. 121

Russ G R, Lou D C, Higgs J B, Ferreira B P Mortality rate of a cohort of the coral trout, Plectropomus leopardus, in zones of the Great Barrier Reef Marine Park closed to fishing. 507

Saenger P

Mangrove vegetation: an evolutionary perspective. 277 See also Youssef T 329

Sagar P M, Glova G J

Diel feeding and prey selection of three size classes of shortfinned eel (Anguilla australis) in New Zealand. 421

Santana F M

See Lessa R 705

Sauer W H H

See Kroese M 573

Schreiber E S G

See Quinn G P 157

Schreiber E S G, Glaister A, Quinn G P, Lake P S

Life history and population dynamics of the exotic snail *Potamopyrgus antipodarum* (Prosobranchia: Hydrobiidae) in Lake Purrumbete, Victoria, Australia. 73

See also Quinn G P 157

Schwarz A-M

See Kirk JTO 1

Seitz R D

Incorporation of soft-sediment systems into a model of marine benthic community regulation. 817

Sellin M J

See Begg G A 109

Sheaves M

Spatial patterns in estuarine fish faunas in tropical Queensland: a reflection of interaction between long-term physical and biological processes? 31

Sheldon F. Walker K F

Spatial distribution of littoral invertebrates in the lower Murray-Darling river system, Australia 171

See also Puckridge J T 55

Shiel R I

See Kobayashi T 547

Shooter D. Davies-Colley R J . Kirk J T O Light absorption and scattering by ocean waters in the vicinity of the Chatham Rise, South Pacific Ocean, 455 See also Kirk JTO 1

Show C

See Smith S E 663

Simpfendorfer C A

Diet of the Australian sharpnose shark, Rhizoprionodon taylori, from northern Queensland. 757

Simpfendorfer C A, Donohue K Keeping the fish in 'fish and chips': research and management of the Western Australian shark fishery. 593

Simpfendorfer C A, Unsworth P Reproductive biology of the whiskery shark, Furgaleus macki, off south-western Australia 687 Gill-net mesh selectivity of dusky sharks (Carcharhinus obscurus) and whiskery sharks (Furgaleus macki) from southwestern Australia 713

Smale M J

See Watson G 695

Smales I.

See Rohde K 121

Smith S E, Au D W, Show C Intrinsic rebound potentials of 26 species of Pacific sharks. 663

Snedaker S C, Araújo R J

Stomatal conductance and gas exchange in four species of Caribbean mangroves exposed to ambient and increased CO2. 325

Soloviev Y P

See Babanin A V 89

Speed S R

See Wells R M G 143

Stark IS

Heavy metal pollution and macrobenthic assemblages in soft-sediments in two Sydney estuaries, Australia, 533

Swain R

See Richardson A M M 785

Swales S

See Milton D A 499

Szymczak R

See Apte S C 203

Tack J F

See Dahdouh-Guehas F 345

Taylor R B. Willis T J

Relationships amongst length, weight and growth of north-eastern New Zealand reef fishes. 255

Teai T. Drollet J H. Bianchini J-P. Cambon A. Martin P M V Occurrence of ultraviolet radiationabsorbing mycosporine-like amino acids in coral mucus and whole corals of French Polynesia 127

Tenakanai C

See Milton D A 499

Theis S

See López C 271

Thompson R S

See Roast S D 827

Tong L J

See James P J 151

Twilley R R. Chen R

A water budget and hydrology model of a basin mangrove forest in Rookery Bay, Florida, 309

Underwood A J, Chapman M G

Variation in algal assemblages on waveexposed rocky shores in New South Wales. 241

Unsworth P

See Simpfendorfer C A 687 and Simpfendorfer C A 713

Valentine J

See Hallegrpaeff G M 415

Vanderklift M A, Jacoby C A, Horwitz P Comparison of catches taken in dual-mesh beach seines of two different lengths. 513

Van Der Molen S, Caille G, González R By-catch of sharks in Patagonian coastal trawl fisheries. 641

Van Speybroeck D

See Dahdouh-Guebas F 345

van Tussenbroek B I. Brearley A

Isopod burrowing in leaves of turtle grass, Thalassia testudinum, in a Mexican Caribbean reef lagoon. 525

Varnairt M

See Dahdouh-Guehas F 345

Waite T D

See Apte S C 203

Walker K F

See Puckridge J T 55 and Sheldon F 171

Walker T I

Can shark resources be harvested sustainably? A question revisited with a review of shark fisheries. 553 See also Punt A E 719

Walsh C. J. Mitchell B.D.

Factors associated with variations in abundance of epifaunal caridean shrimps between and within estuarine seagrass meadows. 769

Walsh K. Jones G J, Dunstan R H Effects of high irradiance and iron concentration on pigment and fatty acid composition in the cyanobacterium Microcystis aeruginosa. 399

Ward R D

See Innes B H 383 and Gardner M G 733

Watson G. Smale M J

Reproductive biology of shortnose spiny dogfish, Saualus megalops, from the Agulhas Bank, South Africa, 695

Weber R E

See Wells R M G 143

Wells R M G, Baldwin J, Speed S R, Weber R E Haemocyanin function in the New Zealand abalones Haliotis iris and H. australis: relationships between oxygen-binding properties, muscle metabolism and habitat. 143

Widdows J

See Roast S D 827

Williams R

See Rohde K 121

Willis T I

See Taylor R B 255

Wilson R S, Heislers S, Poore G C B Changes in benthic communities of Port Phillip Bay, Australia, between 1969 and 1995 847

Witte G

See Hakvoort J H M 867

Wong V

See Richardson A M M 785

Youssef T, Saenger P

Photosynthetic gas exchange and water use in tropical and subtropical populations of the mangrove Aegiceras corniculatum. 329 See also Saenger P 277